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=> fil capl; d que l12; d que nos l10; s l12 or l10
FILE 'CAPLUS' ENTERED AT 16:11:13 ON 18 DEC 2002
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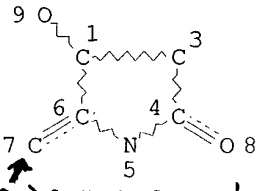
FILE COVERS 1907 - 18 Dec 2002 VOL 137 ISS 25
FILE LAST UPDATED: 17 Dec 2002 (20021217/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

L1 STR



ring or chain node

full file search done on this structure

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NODE ATTRIBUTES:
NSPEC   IS RC     AT   7
CONNECT IS E1  RC AT   9
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   8

STEREO ATTRIBUTES: NONE
L3          459 SEA FILE=REGISTRY SSS FUL L1
L4              STR
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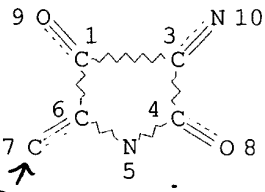

Ring or chain

subset search done on this structure (product) formula (I))

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NODE ATTRIBUTES:
NSPEC   IS RC     AT   7
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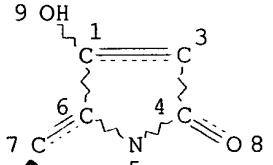
CONNECT IS E1 RC AT 9
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE
L5 STR



ring or chain

subset search done on this structure (reactant)

NODE ATTRIBUTES:
NSPEC IS RC AT 7
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE
L7 228 SEA FILE=REGISTRY SUB=L3 SSS FUL L5 = reactant
L9 37 SEA FILE=REGISTRY SUB=L3 SSS FUL L4 = product/formula(1)
L10 5 SEA FILE=CAPLUS ABB=ON L9
L11 48 SEA FILE=CAPLUS ABB=ON L7
L12 4 SEA FILE=CAPLUS ABB=ON L10 AND L11

L1 STR
L3 459 SEA FILE=REGISTRY SSS FUL L1
L4 STR
L9 37 SEA FILE=REGISTRY SUB=L3 SSS FUL L4 = product/formula(1)
L10 5 SEA FILE=CAPLUS ABB=ON L9

L20 5 L12 OR L10

=> d ibib abs hitstr l20 1-5

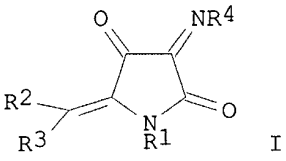
L20 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:115115 CAPLUS
DOCUMENT NUMBER: 134:162915
TITLE: Preparation of pyrrolidine-2,3,4-trion-3-oximes as NMDA receptor antagonists.
INVENTOR(S): Przewosny, Michael; Stachel, Hans-Dietrich; Poschenrieder, Hermann
PATENT ASSIGNEE(S): Grunenthal G.m.b.H., Germany
SOURCE: PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001010831	A1	20010215	WO 2000-EP7101	20000725
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
DE 19936521	A1	20010215	DE 1999-19936521	19990806
BR 2000013313	A	20020416	BR 2000-13313	20000725
EP 1200400	A1	20020502	EP 2000-945950	20000725
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
NO 2002000578	A	20020325	NO 2002-578	20020205

PRIORITY APPLN. INFO.: DE 1999-19936521 A 19990806
WO 2000-EP7101 W 20000725

OTHER SOURCE(S): MARPAT 134:162915

GI



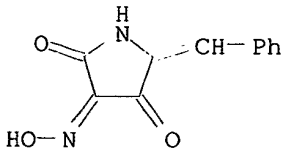
I

AB Title compds. (I; R1 = H, OR8, COR5, NR6R7, CO2R5, CONR6R7, CSNR6R7, alkyl, aryl, heteroaryl, aralkyl; R2, R3 = H, F, Cl, Br, CF3, OR8, SR8, alkyl, aryl, heteroaryl, aralkyl; R4 = OH, H, OR8, SR8, COR5, CO2R5, COCOR5, CONR6R7, CSNR6R7, alkyl, aryl, heteroaryl, aralkyl; R5 = H, alkyl, aryl, heteroaryl, aralkyl; R6, R7 = H, OR8, COR5, CO2R5, alkyl, aryl, heteroaryl, aralkyl; R8 = alkyl, aryl, heteroaryl, aralkyl), were prepd. 4-Hydroxy-5-(methoxyphenylmethylene)-1,5-dihydropyrrol-2-one in HOAc was treated with NaNO2 followed by stirring for 30 min. to give 60% 5-(methoxyphenylmethylene)pyrrolidin-2,3,4-trione 3-oxime. The latter bound to the glycine binding site of NMDA receptors with Ki = 0.116 .mu.M.

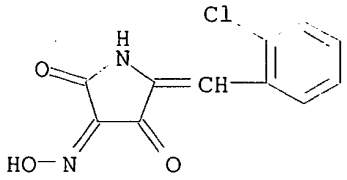
IT **247901-14-0P 247901-15-1P 247901-16-2P**
247901-17-3P 247901-18-4P 247901-19-5P
247901-20-8P 247901-30-0P 247901-45-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyrrolidine-2,3,4-trion-3-oximes as NMDA receptor antagonists)

RN 247901-14-0 CAPLUS

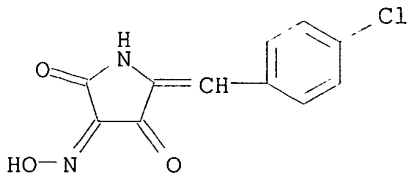
CN 2,3,4-Pyrrolidinetrione, 5-(phenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)



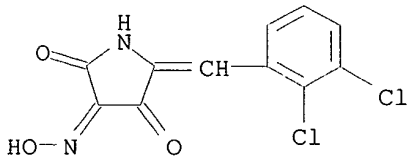
RN 247901-15-1 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2-chlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



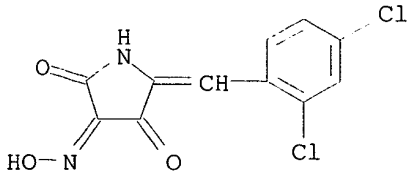
RN 247901-16-2 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(4-chlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



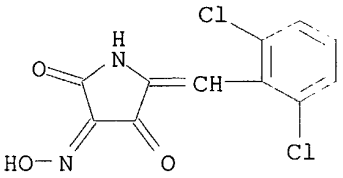
RN 247901-17-3 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2,3-dichlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



RN 247901-18-4 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2,4-dichlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



RN 247901-19-5 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2,6-dichlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



RN 247901-20-8 CAPLUS
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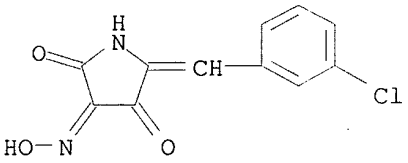
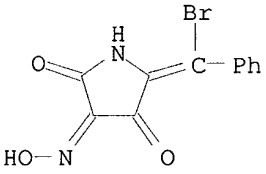
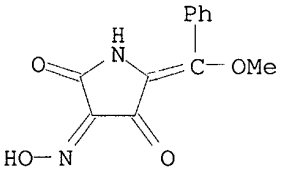


RN 247901-30-0 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-(bromophenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)

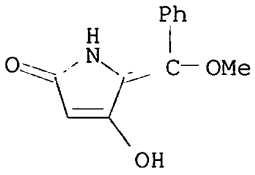


RN 247901-45-7 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-(methoxyphenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)

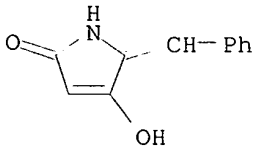


IT **106237-90-5 247901-78-6 247901-79-7**
247901-80-0 247901-81-1 247901-82-2
247901-83-3 247901-84-4 325773-48-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of pyrrolidine-2,3,4-trion-3-oximes as NMDA receptor antagonists)
RN 106237-90-5 CAPLUS

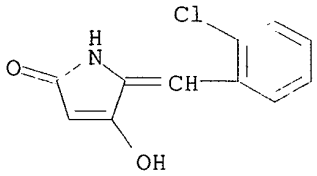
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(methoxyphenylmethylene)- (9CI) (CA INDEX NAME)



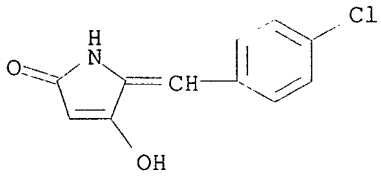
RN 247901-78-6 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



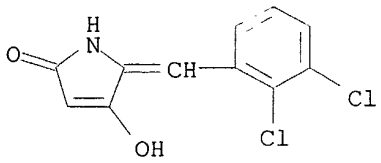
RN 247901-79-7 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



RN 247901-80-0 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(4-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



RN 247901-81-1 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,3-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



RN 247901-82-2 CAPLUS
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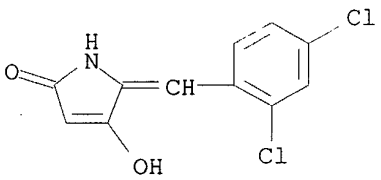

RN 247901-83-3 CAPLUS
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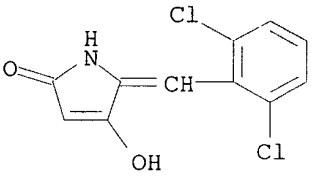

RN 247901-84-4 CAPLUS
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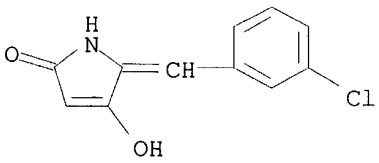

RN 325773-48-6 CAPLUS
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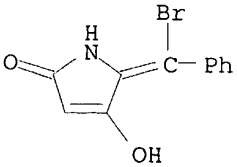
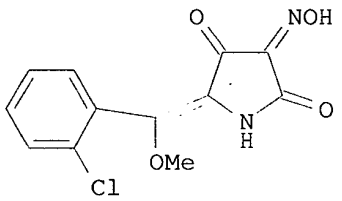


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

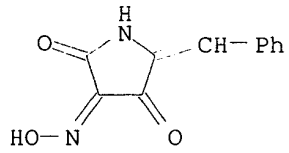
L20 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:614764 CAPLUS
DOCUMENT NUMBER: 131:307064
TITLE: Pyrrolidine-2,4-diones with affinity to the N-methyl-D-aspartate (glycine site) receptor. Part 2. 5-arylidene-pyrrolidine-2,3,4-trione 3-oximes as NMDA receptor antagonists
AUTHOR(S): Poschenrieder, Hermann; Hofner, Georg; Stachel, Hans-Dietrich
CORPORATE SOURCE: Institut Pharmazie/Zentrum Pharmaforschung, Univ. Munchen, Munich, D-81377, Germany
SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1999), 332(9), 309-316
CODEN: ARPMAS; ISSN: 0365-6233
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB A series of oximes deriving from 5-arylidene-pyrrolidine-2,3,4-triones and pyridine-2,3,4-triones was prepd. The presence of the tautomeric nitrosoenol was proven in solns. of an .alpha.-ketooxime. The binding affinity of the new oximes toward the N-methyl-D-aspartate (glycine site) receptor was measured as a basis for more detailed structure-activity relationship studies. Oxime I showed the highest binding potency acting as glycine antagonist in nanomolar concn.

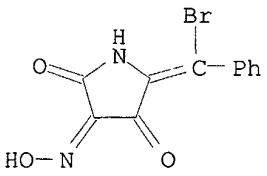
IT **247901-14-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA receptor antagonists)
RN 247901-14-0 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-(phenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)



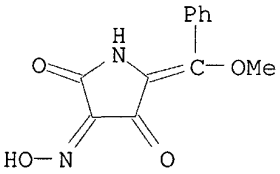
IT **247901-30-0P 247901-45-7P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA receptor antagonists)

RN 247901-30-0 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-(bromophenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)

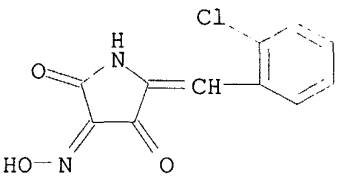


RN 247901-45-7 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-(methoxyphenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)

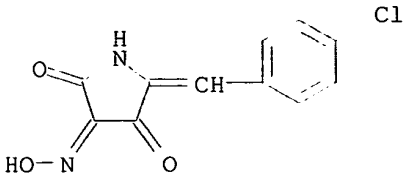


IT **247901-15-1P 247901-16-2P 247901-17-3P**
247901-18-4P 247901-19-5P 247901-20-8P
247901-31-1P 247901-32-2P 247901-33-3P
247901-34-4P 247901-46-8P 247901-47-9P
247901-48-0P 247901-49-1P 247901-50-4P
247901-65-1P 247901-66-2P 247901-85-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA receptor antagonists)

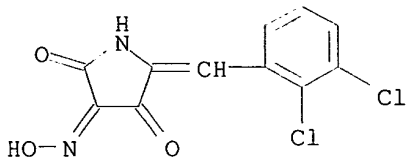
RN 247901-15-1 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2-chlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



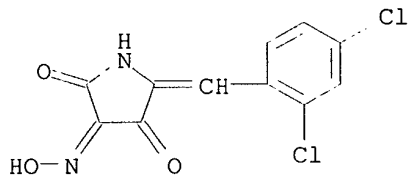
RN 247901-16-2 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(4-chlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



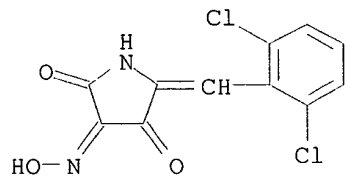
RN 247901-17-3 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2,3-dichlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



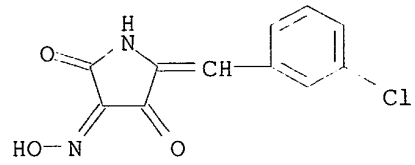
RN 247901-18-4 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2,4-dichlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



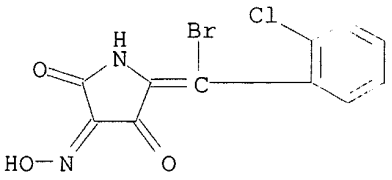
RN 247901-19-5 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2,6-dichlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



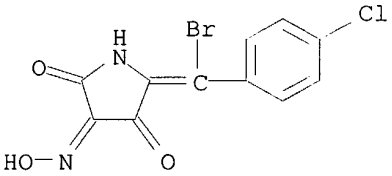
RN 247901-20-8 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(3-chlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



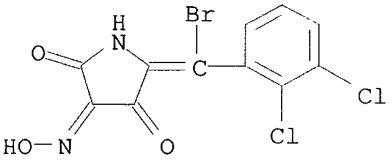
RN 247901-31-1 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[bromo(2-chlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



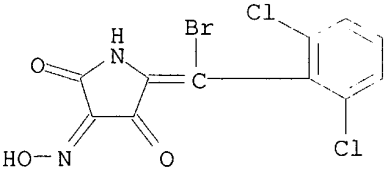
RN 247901-32-2 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[bromo(4-chlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



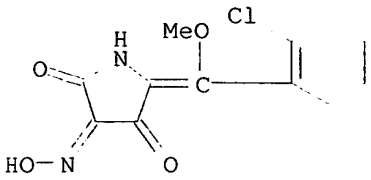
RN 247901-33-3 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[bromo(2,3-dichlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



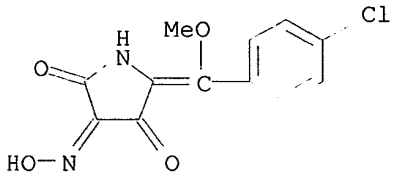
RN 247901-34-4 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[bromo(2,6-dichlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)



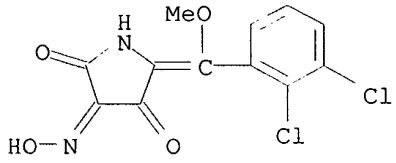
RN 247901-46-8 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2-chlorophenyl)methoxymethylene]-, 3-oxime (9CI) (CA INDEX NAME)



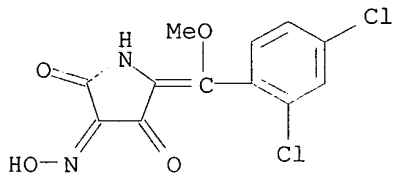
RN 247901-47-9 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(4-chlorophenyl)methoxymethylene]-, 3-oxime (9CI) (CA INDEX NAME)



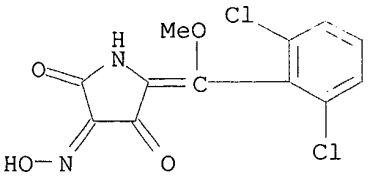
RN 247901-48-0 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2,3-dichlorophenyl)methoxymethylene]-, 3-oxime (9CI) (CA INDEX NAME)



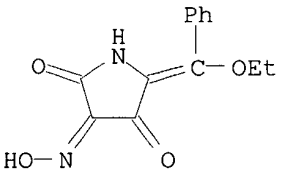
RN 247901-49-1 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2,4-dichlorophenyl)methoxymethylene]-, 3-oxime (9CI) (CA INDEX NAME)



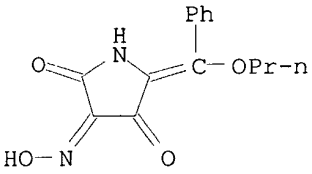
RN 247901-50-4 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[(2,6-dichlorophenyl)methoxymethylene]-, 3-oxime (9CI) (CA INDEX NAME)



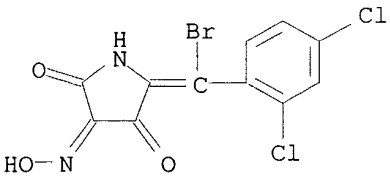
RN 247901-65-1 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-(ethoxyphenylmethylene)-, 3-oxime (9CI) (CA INDEX NAME)



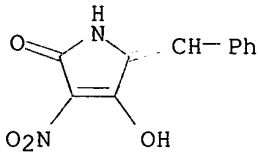
RN 247901-66-2 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-(phenylpropoxymethylene)-, 3-oxime (9CI) (CA INDEX NAME)



RN 247901-85-5 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-[bromo(2,4-dichlorophenyl)methylene]-, 3-oxime (9CI) (CA INDEX NAME)

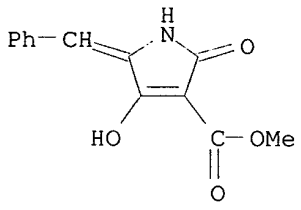


IT **247901-71-9P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA receptor antagonists)
RN 247901-71-9 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-3-nitro-5-(phenylmethylene)- (9CI) (CA INDEX NAME)

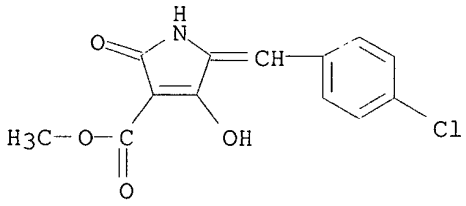


IT **18133-08-9 75990-13-5 247901-73-1**
247901-74-2 247901-75-3 247901-76-4
247901-77-5 247901-78-6 247901-79-7
247901-80-0 247901-81-1 247901-82-2
247901-83-3 247901-84-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA receptor antagonists)

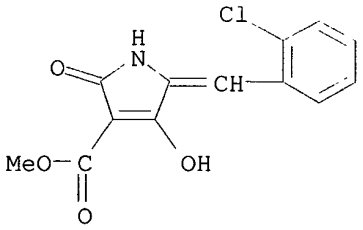
RN 18133-08-9 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 2,5-dihydro-4-hydroxy-2-oxo-5-(phenylmethylene)-, methyl ester (9CI) (CA INDEX NAME)



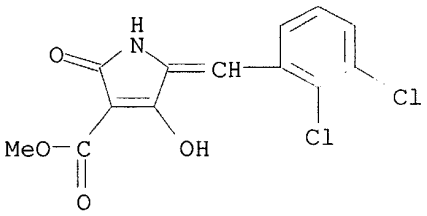
RN 75990-13-5 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(4-chlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



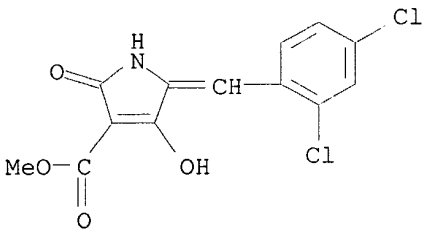
RN 247901-73-1 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2-chlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



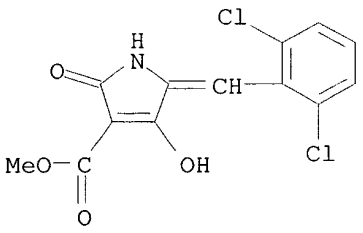
RN 247901-74-2 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,3-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



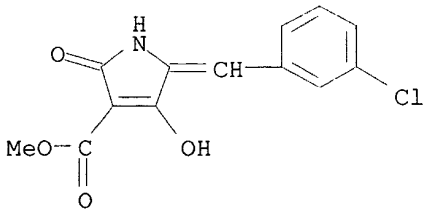
RN 247901-75-3 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,4-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 247901-76-4 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,6-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)

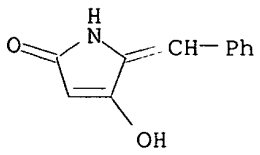


RN 247901-77-5 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(3-chlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)

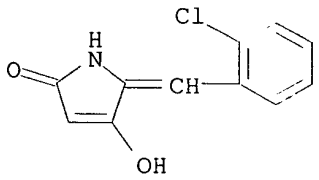


RN 247901-78-6 CAPLUS

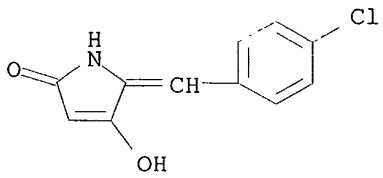
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



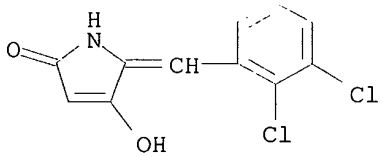
RN 247901-79-7 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



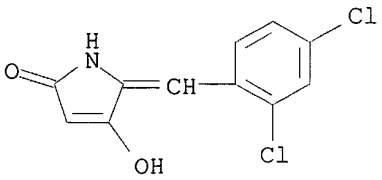
RN 247901-80-0 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(4-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



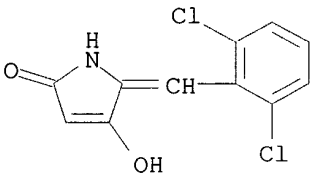
RN 247901-81-1 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,3-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



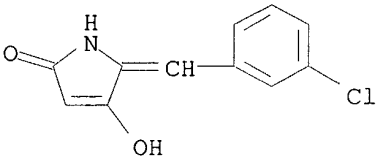
RN 247901-82-2 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



RN 247901-83-3 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,6-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)

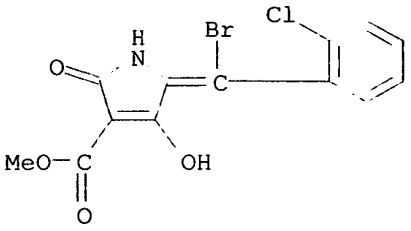


RN 247901-84-4 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(3-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)

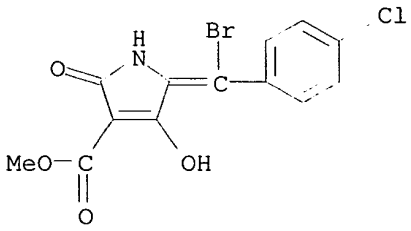


IT **247901-21-9P 247901-22-0P 247901-23-1P**
247901-24-2P 247901-25-3P 247901-26-4P
247901-27-5P 247901-28-6P 247901-29-7P
247901-35-5P 247901-36-6P 247901-37-7P
247901-38-8P 247901-39-9P 247901-40-2P
247901-41-3P 247901-42-4P 247901-43-5P
247901-44-6P 247901-61-7P 247901-62-8P
247901-63-9P 247901-64-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA receptor antagonists)

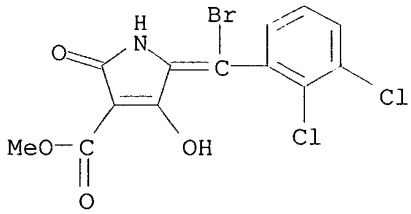
RN 247901-21-9 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[bromo(2-chlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



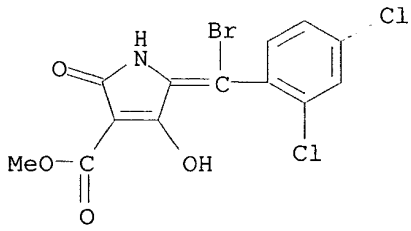
RN 247901-22-0 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[bromo(4-chlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



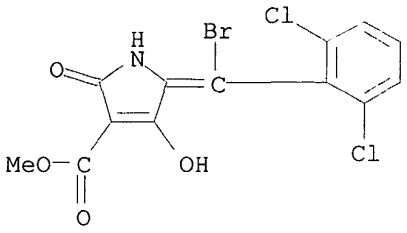
RN 247901-23-1 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[bromo(2,3-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



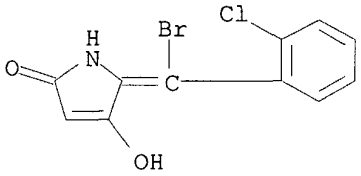
RN 247901-24-2 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[bromo(2,4-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



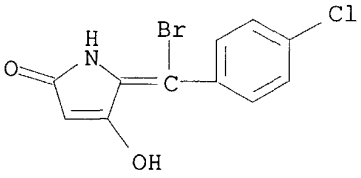
RN 247901-25-3 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[bromo(2,6-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



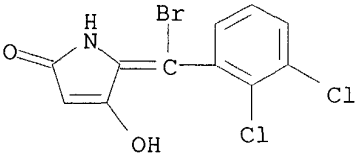
RN 247901-26-4 CAPLUS
CN 2H-Pyrrol-2-one, 5-[bromo(2-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-
(9CI) (CA INDEX NAME)



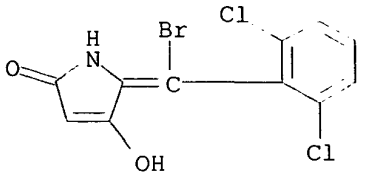
RN 247901-27-5 CAPLUS
CN 2H-Pyrrol-2-one, 5-[bromo(4-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-
(9CI) (CA INDEX NAME)



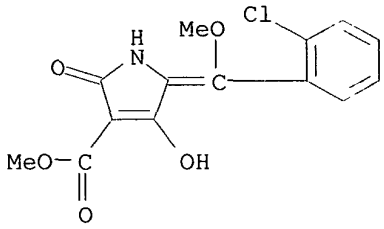
RN 247901-28-6 CAPLUS
CN 2H-Pyrrol-2-one, 5-[bromo(2,3-dichlorophenyl)methylene]-1,5-dihydro-4-
hydroxy- (9CI) (CA INDEX NAME)



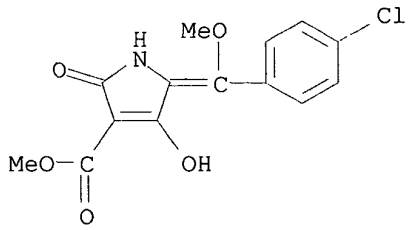
RN 247901-29-7 CAPLUS
CN 2H-Pyrrol-2-one, 5-[bromo(2,6-dichlorophenyl)methylene]-1,5-dihydro-4-
hydroxy- (9CI) (CA INDEX NAME)



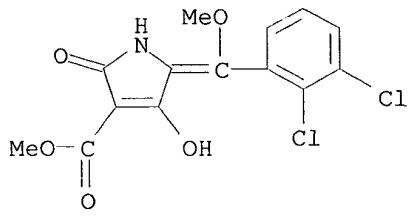
RN 247901-35-5 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2-chlorophenyl)methoxymethylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



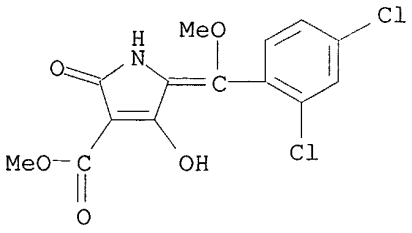
RN 247901-36-6 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(4-chlorophenyl)methoxymethylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



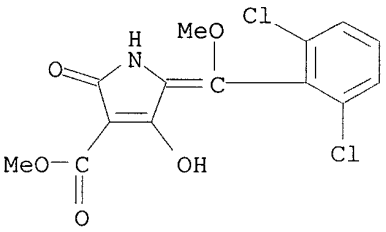
RN 247901-37-7 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,3-dichlorophenyl)methoxymethylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



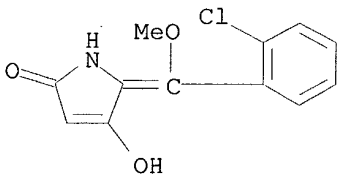
RN 247901-38-8 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,4-dichlorophenyl)methoxymethylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



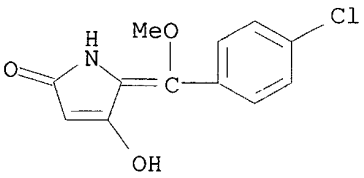
RN 247901-39-9 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,6-dichlorophenyl)methoxymethylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



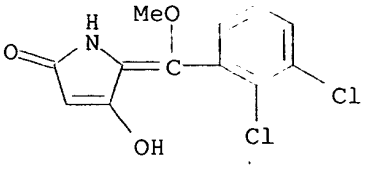
RN 247901-40-2 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2-chlorophenyl)methoxymethylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



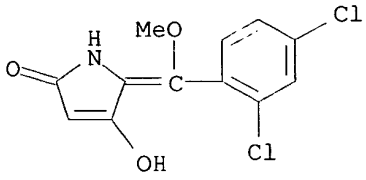
RN 247901-41-3 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(4-chlorophenyl)methoxymethylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



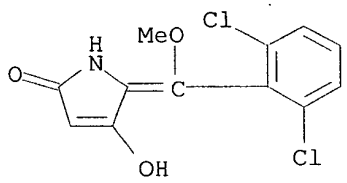
RN 247901-42-4 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,3-dichlorophenyl)methoxymethylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



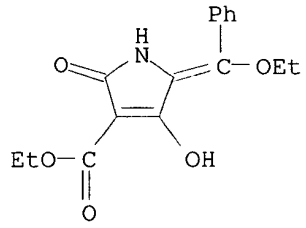
RN 247901-43-5 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methoxymethylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



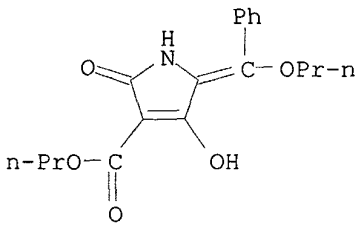
RN 247901-44-6 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,6-dichlorophenyl)methoxymethylene]-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



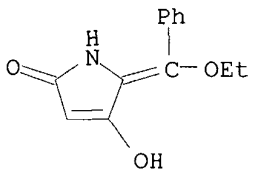
RN 247901-61-7 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-(ethoxyphenylmethylene)-2,5-dihydro-4-hydroxy-2-oxo-, ethyl ester (9CI) (CA INDEX NAME)



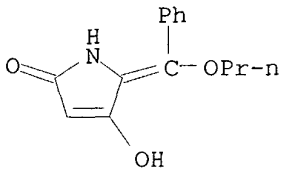
RN 247901-62-8 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 2,5-dihydro-4-hydroxy-2-oxo-5-(phenylpropoxymethylene)-, propyl ester (9CI) (CA INDEX NAME)



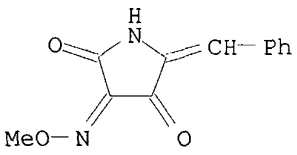
RN 247901-63-9 CAPLUS
CN 2H-Pyrrol-2-one, 5-(ethoxyphenylmethylene)-1,5-dihydro-4-hydroxy- (9CI) (CA INDEX NAME)



RN 247901-64-0 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(phenylpropoxymethylene)- (9CI) (CA INDEX NAME)



IT **247901-68-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and properties of arylidene-pyrrolidinetrione oximes as NMDA receptor antagonists)
RN 247901-68-4 CAPLUS
CN 2,3,4-Pyrrolidinetrione, 5-(phenylmethylene)-, 3-(O-methyloxime) (9CI) (CA INDEX NAME)



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:29178 CAPLUS
DOCUMENT NUMBER: 130:139224
TITLE: 5-Arylidene-3-aryl-pyrrolidine-2,4-diones with

Searched by Barb O'Bryen, STIC 308-4291

affinity to the N-methyl-D-aspartate (glycine site) receptor. Part 1

AUTHOR(S): Poschenrieder, Hermann; Hoefner, Georg; Stachel, Hans-Dietrich

CORPORATE SOURCE: Inst. Pharmazie. Zentrum Pharmaforschung, Univ. Muenchen, Munich, D-80333, Germany

SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1998), 331(12), 389-394
CODEN: ARPMAS; ISSN: 0365-6233

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

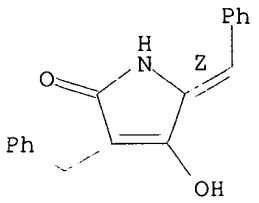
AB A series of 5-arylidene-3-aryl-pyrrolidine-2,4-diones was prepd. Their binding affinity toward the N-methyl-D-aspartate (glycine site) receptor was measured as a basis for more detailed structure-activity relationship studies.

IT **108045-43-8**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(prepn. of arylidenearylpyrrolidinediones with affinity to NMDA receptor)

RN 108045-43-8 CAPLUS

CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-3-(phenylmethyl)-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

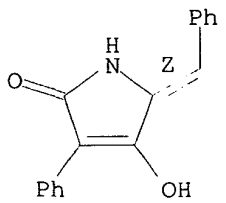


IT **153973-50-3P 220069-91-0P 220069-93-2P**
220069-94-3P 220069-95-4P 220069-97-6P
220069-98-7P 220069-99-8P 220070-01-9P
220070-05-3P 220070-06-4P 220070-07-5P
220070-09-7P 220070-11-1P 220070-12-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of arylidenearylpyrrolidinediones with affinity to NMDA receptor)

RN 153973-50-3 CAPLUS

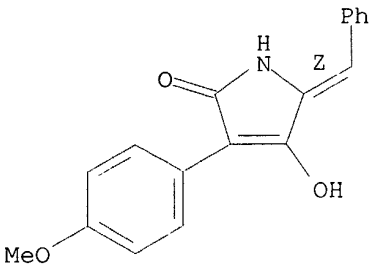
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-3-phenyl-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



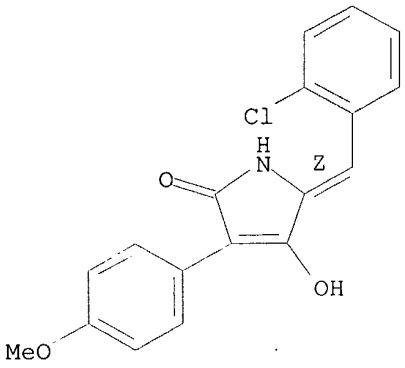
RN 220069-91-0 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



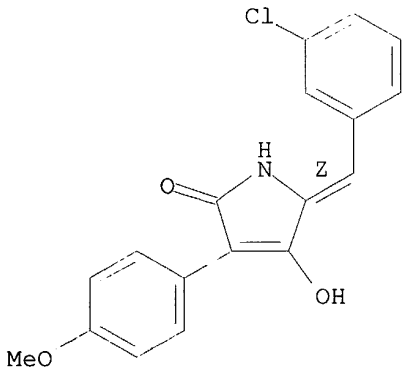
RN 220069-93-2 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 220069-94-3 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(3-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

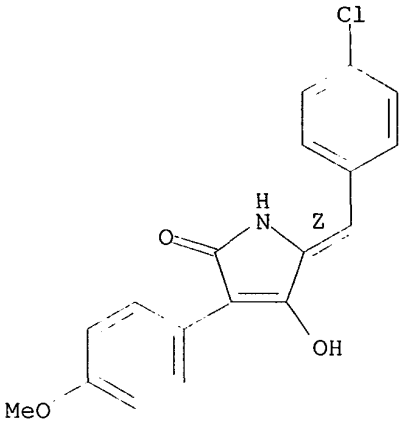
Double bond geometry as shown.



RN 220069-95-4 CAPLUS

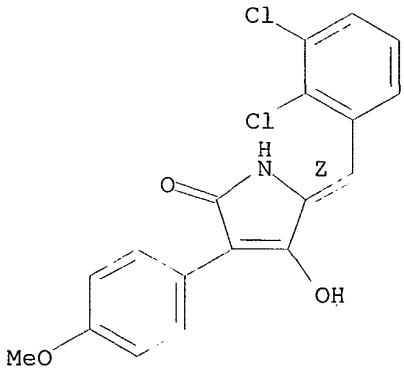
CN 2H-Pyrrol-2-one, 5-[(4-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



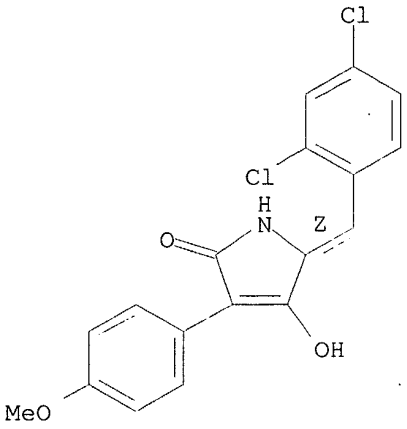
RN 220069-97-6 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,3-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



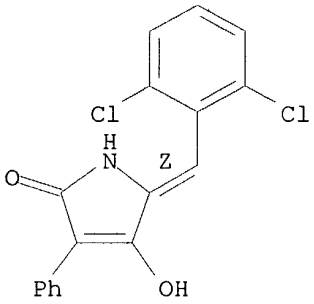
RN 220069-98-7 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



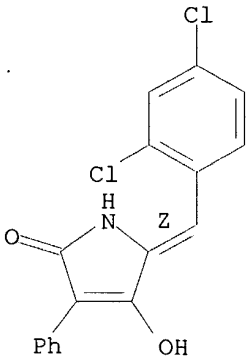
RN 220069-99-8 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,6-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-phenyl-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



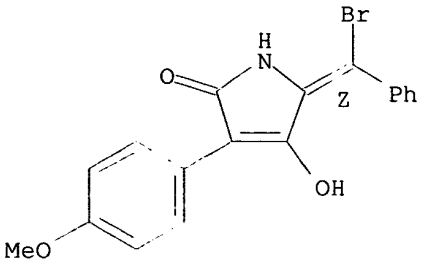
RN 220070-01-9 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-3-phenyl-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



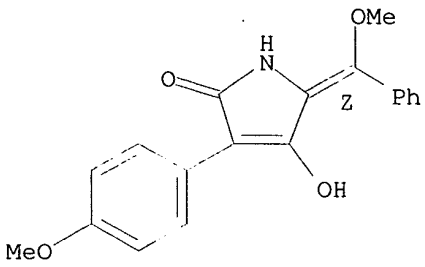
RN 220070-05-3 CAPLUS
CN 2H-Pyrrol-2-one, 5-(bromophenylmethylene)-1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



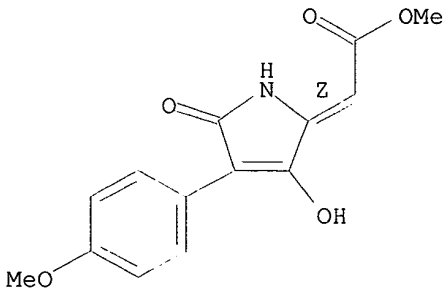
RN 220070-06-4 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-3-(4-methoxyphenyl)-5-(methoxyphenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



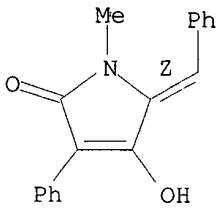
RN 220070-07-5 CAPLUS
CN Acetic acid, [1,5-dihydro-3-hydroxy-4-(4-methoxyphenyl)-5-oxo-2H-pyrrol-2-ylidene]-, methyl ester, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



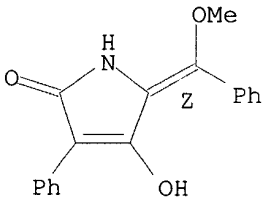
RN 220070-09-7 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-1-methyl-3-phenyl-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



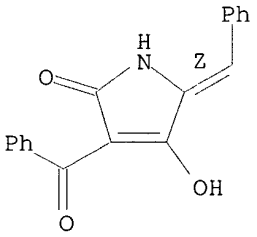
RN 220070-11-1 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(methoxyphenylmethylene)-3-phenyl-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



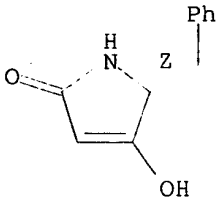
RN 220070-12-2 CAPLUS
CN 2H-Pyrrol-2-one, 3-benzoyl-1,5-dihydro-4-hydroxy-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



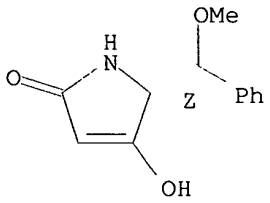
IT **97066-34-7 98669-64-8 108045-31-4**
220069-89-6 220069-90-9 220070-08-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of arylidenearylpyrrolidinediones with affinity to NMDA receptor)
RN 97066-34-7 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



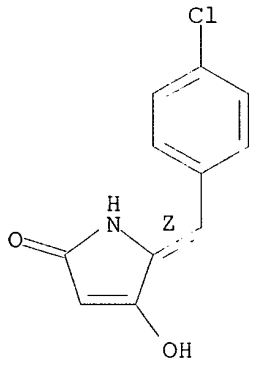
RN 98669-64-8 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-4-hydroxy-5-(methoxyphenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



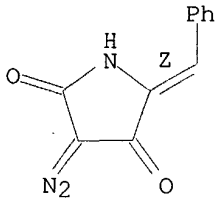
RN 108045-31-4 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(4-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



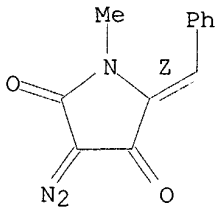
RN 220069-89-6 CAPLUS
CN 2,4-Pyrrolidinedione, 3-diazo-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



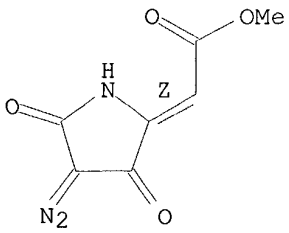
RN 220069-90-9 CAPLUS
CN 2,4-Pyrrolidinedione, 3-diazo-1-methyl-5-(phenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



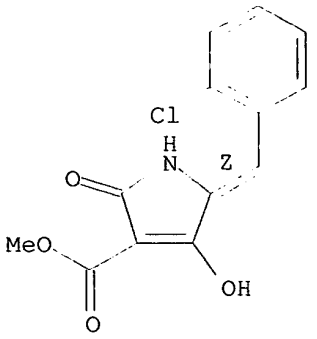
RN 220070-08-6 CAPLUS
CN Acetic acid, (4-diazo-3,5-dioxo-2-pyrrolidinylidene)-, methyl ester, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



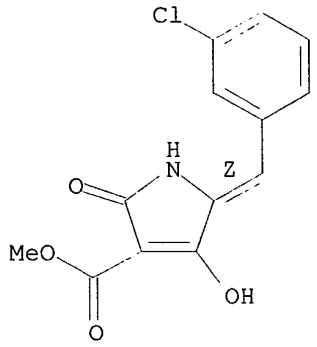
IT **220069-68-1P 220069-69-2P 220069-71-6P**
220069-72-7P 220069-73-8P 220069-74-9P
220069-75-0P 220069-76-1P 220069-78-3P
220069-79-4P 220069-81-8P 220069-82-9P
220069-83-0P 220069-85-2P 220069-86-3P
220069-87-4P 220070-02-0P 220070-03-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of arylidenearylpyrrolidinediones with affinity to NMDA receptor)
RN 220069-68-1 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2-chlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



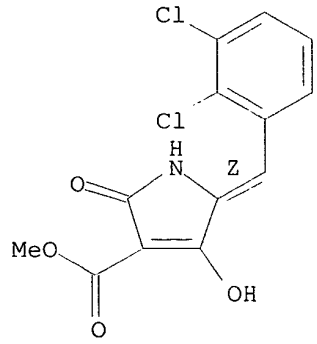
RN 220069-69-2 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(3-chlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



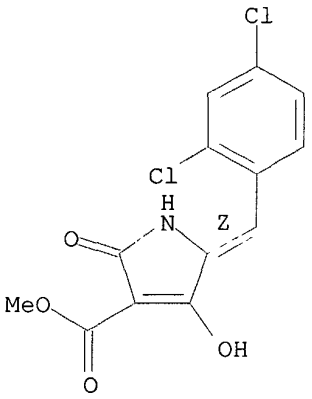
RN 220069-71-6 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,3-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



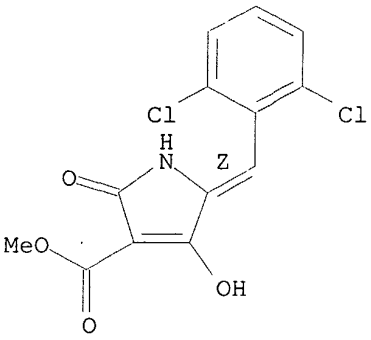
RN 220069-72-7 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,4-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



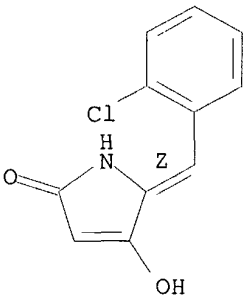
RN 220069-73-8 CAPLUS
CN 1H-Pyrrole-3-carboxylic acid, 5-[(2,6-dichlorophenyl)methylene]-2,5-dihydro-4-hydroxy-2-oxo-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



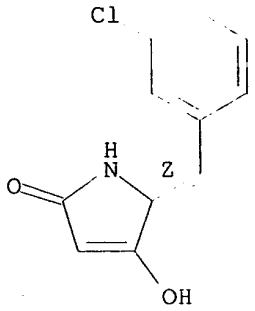
RN 220069-74-9 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



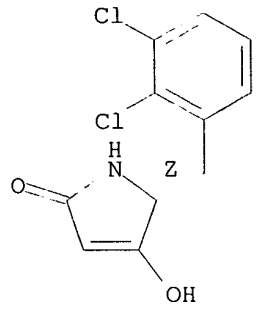
RN 220069-75-0 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(3-chlorophenyl)methylene]-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



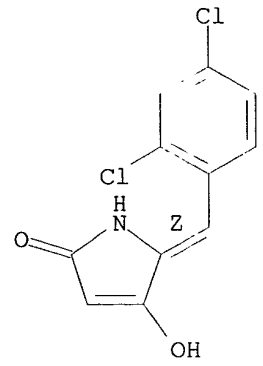
RN 220069-76-1 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,3-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



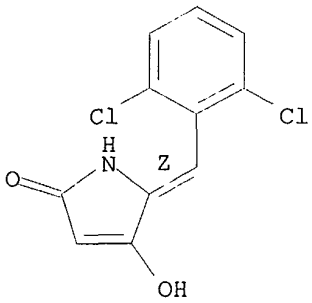
RN 220069-78-3 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,4-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



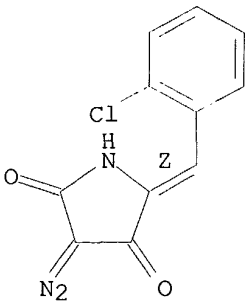
RN 220069-79-4 CAPLUS
CN 2H-Pyrrol-2-one, 5-[(2,6-dichlorophenyl)methylene]-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



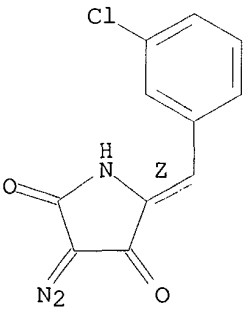
RN 220069-81-8 CAPLUS
CN 2,4-Pyrrolidinedione, 5-[(2-chlorophenyl)methylene]-3-diazo-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



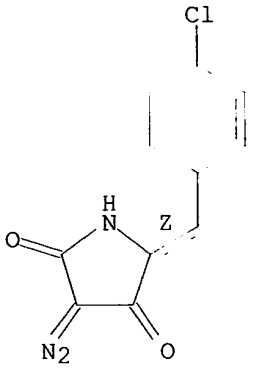
RN 220069-82-9 CAPLUS
CN 2,4-Pyrrolidinedione, 5-[(3-chlorophenyl)methylene]-3-diazo-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



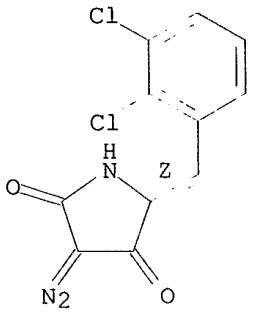
RN 220069-83-0 CAPLUS
CN 2,4-Pyrrolidinedione, 5-[(4-chlorophenyl)methylene]-3-diazo-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



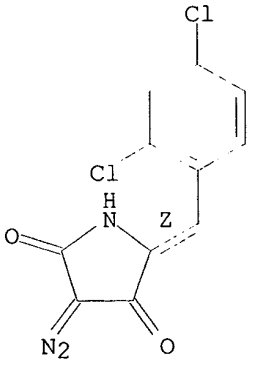
RN 220069-85-2 CAPLUS
CN 2,4-Pyrrolidinedione, 3-diazo-5-[(2,3-dichlorophenyl)methylene]-, (5Z)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



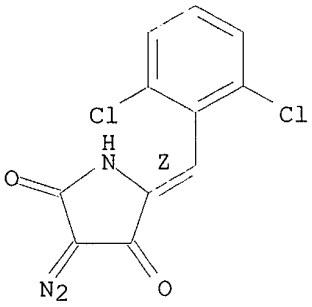
RN 220069-86-3 CAPLUS
CN 2,4-Pyrrolidinedione, 3-diazo-5-[(2,4-dichlorophenyl)methylene]-, (5Z)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



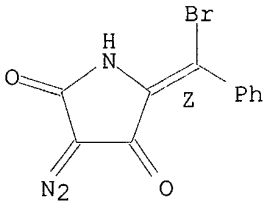
RN 220069-87-4 CAPLUS
CN 2,4-Pyrrolidinedione, 3-diazo-5-[(2,6-dichlorophenyl)methylene]-, (5Z)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



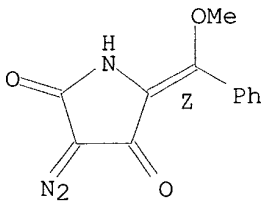
RN 220070-02-0 CAPLUS
CN 2,4-Pyrrolidinedione, 5-(bromophenylmethylene)-3-diazo-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



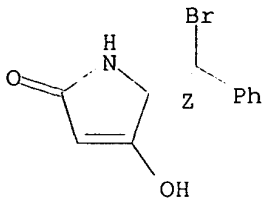
RN 220070-03-1 CAPLUS
CN 2,4-Pyrrolidinedione, 3-diazo-5-(methoxyphenylmethylene)-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



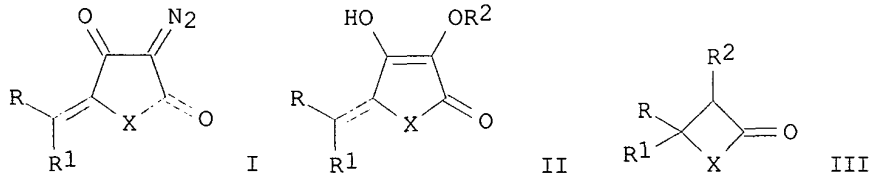
IT **97066-41-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of arylidenearylpyrrolidinediones with affinity to NMDA receptor)
RN 97066-41-6 CAPLUS
CN 2H-Pyrrol-2-one, 5-(bromophenylmethylene)-1,5-dihydro-4-hydroxy-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

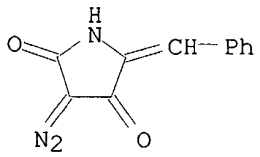
L20 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:628266 CAPLUS
DOCUMENT NUMBER: 125:300748
TITLE: Reductones of tetronic, thiotetronic, and tetramic acids. Part III. Thermolysis and photolysis of cyclic diazo compounds
AUTHOR(S): Stachel, Hans Dietrich; Poschenrieder, Hermann; Redlin, Jutta
CORPORATE SOURCE: Institut Pharmazie Lebensmittelchemie, Universitaet Muenchen, Munich, D-80333, Germany
SOURCE: Zeitschrift fuer Naturforschung, B: Chemical Sciences (1996), 51(9), 1325-1333
CODEN: ZNBSEN; ISSN: 0932-0776
PUBLISHER: Verlag der Zeitschrift fuer Naturforschung
DOCUMENT TYPE: Journal
LANGUAGE: German
GI



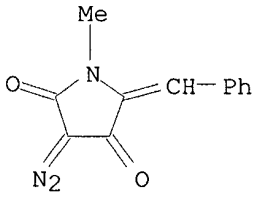
AB The Rh-catalyzed decompn. of the diazo ketones I (X = O, S, NH, NMe; R = H, CO2Me; R1 = H, Ph, CO2Me) in Me3COH at 130.degree. furnishes the corresponding monoenol ethers II (R2 = CMe3) and, after deprotection, the aci-reductones II (R2 = H). In absence of intercepting agents the intermediate carbenes preferentially undergo Wolff rearrangement with ring contraction. In this case the .beta.-thiolactone III (X = S, RR1 = CHPh, R2 = H), the .beta.-lactone III (X = O; R, R1 = H; R2 = CO2Et), or the .beta.-lactam III (X = NMe; R, R1 = H; R2 = CO2Et) are thermolysis products of the corresponding diazo ketones. During photolysis of the diazo ketones I (X = NH, R = H, R1 = Ph or X = NMe, R = CO2Me, R1 = H) in the presence of alcs. the corresponding azetidinones III (RR1 = CHPh, CHCO2Me; R2 = CO2Et) are formed.

IT **122275-32-5 122275-33-6**
RL: RCT (Reactant); RACT (Reactant or reagent)
(thermolysis and photolysis of cyclic diazo compds.)

RN 122275-32-5 CAPLUS
CN 2,4-Pyrrolidinedione, 3-diazo-5-(phenylmethylene)- (9CI) (CA INDEX NAME)

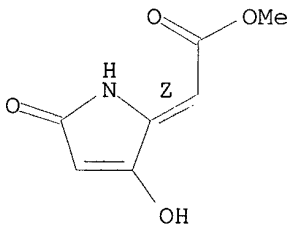


RN 122275-33-6 CAPLUS
CN 2,4-Pyrrolidinedione, 3-diazo-1-methyl-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



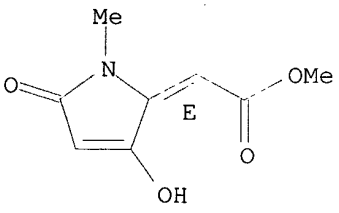
IT **183000-96-6P 183000-97-7P 183001-01-6P**
183001-02-7P 183001-05-0P 183001-06-1P
183001-07-2P 183001-10-7P 183001-11-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(thermolysis and photolysis of cyclic diazo compds.)
RN 183000-96-6 CAPLUS
CN Acetic acid, (1,5-dihydro-3-hydroxy-5-oxo-2H-pyrrol-2-ylidene)-, methyl ester, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



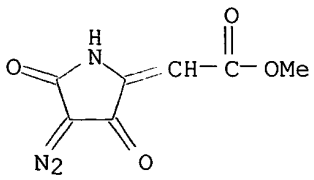
RN 183000-97-7 CAPLUS
CN Acetic acid, (1,5-dihydro-3-hydroxy-1-methyl-5-oxo-2H-pyrrol-2-ylidene)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

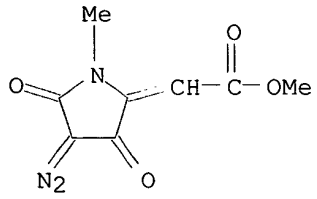


RN 183001-01-6 CAPLUS

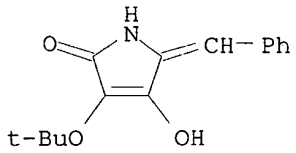
CN Acetic acid, (4-diazo-3,5-dioxo-2-pyrrolidinylidene)-, methyl ester (9CI) (CA INDEX NAME)



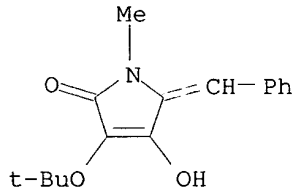
RN 183001-02-7 CAPLUS
CN Acetic acid, (4-diazo-1-methyl-3,5-dioxo-2-pyrrolidinylidene)-, methyl ester (9CI) (CA INDEX NAME)



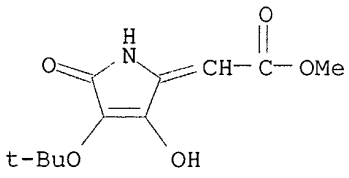
RN 183001-05-0 CAPLUS
CN 2H-Pyrrol-2-one, 3-(1,1-dimethylethoxy)-1,5-dihydro-4-hydroxy-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



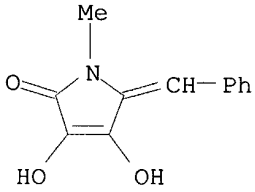
RN 183001-06-1 CAPLUS
CN 2H-Pyrrol-2-one, 3-(1,1-dimethylethoxy)-1,5-dihydro-4-hydroxy-1-methyl-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



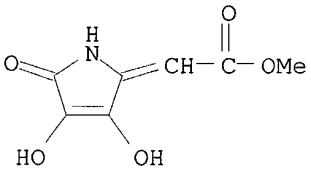
RN 183001-07-2 CAPLUS
CN Acetic acid, [4-(1,1-dimethylethoxy)-1,5-dihydro-3-hydroxy-5-oxo-2H-pyrrol-2-ylidene]-, methyl ester (9CI) (CA INDEX NAME)



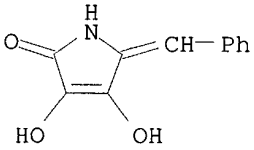
RN 183001-10-7 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-3,4-dihydroxy-1-methyl-5-(phenylmethylene)-(9CI) (CA INDEX NAME)



RN 183001-11-8 CAPLUS
CN Acetic acid, (1,5-dihydro-3,4-dihydroxy-5-oxo-2H-pyrrol-2-ylidene)-, methyl ester (9CI) (CA INDEX NAME)



IT **75135-97-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(thermolysis and photolysis of cyclic diazo compds.)
RN 75135-97-6 CAPLUS
CN 2H-Pyrrol-2-one, 1,5-dihydro-3,4-dihydroxy-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



L20 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1989:514988 CAPLUS
DOCUMENT NUMBER: 111:114988
TITLE: Reductones of maleimides
AUTHOR(S): Poschenrieder, Hermann; Stachel, Hans Dietrich
CORPORATE SOURCE: Inst. Pharm. Lebensmittelchem., Univ. Muenchen, Munich, D-8000/2, Fed. Rep. Ger.
SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1989),

Searched by Barb O'Bryen, STIC 308-4291

322(5), 301-2
CODEN: ARPMAS; ISSN: 0365-6233
DOCUMENT TYPE: Journal
LANGUAGE: German
OTHER SOURCE(S): CASREACT 111:114988
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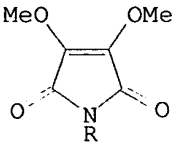

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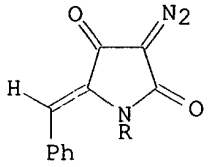
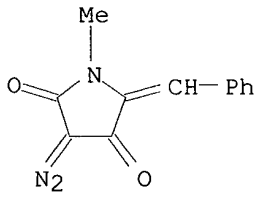


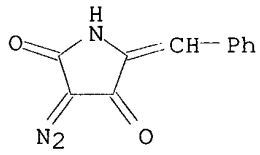
II

AB Title compds. I (R = H, Me) were prepd. in 4 steps starting from 5-benzylidene-2,4-pyrrolidinediones II. E.g., azidolysis of 5-benzylidene-2,4-pyrrolidinedione with 4-MeC6H4SO3N3 gave 80% II (R = H), which on methylation gave 70% II (R = Me). Ozonolysis, oxidn.-tert-butylation, alc. deprotection, and methylation of II gave I.

IT **122275-33-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and ozonolysis of)
RN 122275-33-6 CAPLUS
CN 2,4-Pyrrolidinedione, 3-diazo-1-methyl-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



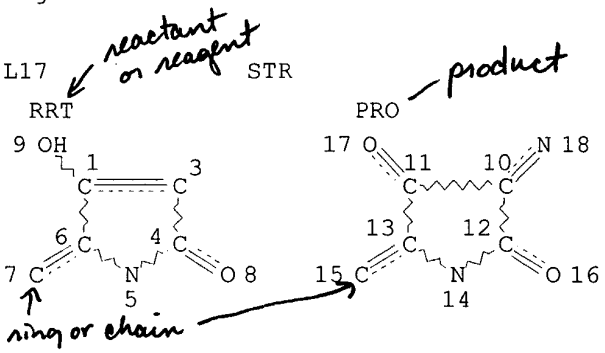
IT **122275-32-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn., methylation, or ozonolysis of)
RN 122275-32-5 CAPLUS
CN 2,4-Pyrrolidinedione, 3-diazo-5-(phenylmethylene)- (9CI) (CA INDEX NAME)



Crossover limits have been increased. See HELP RNCROSSOVER for details.

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

L17 STR



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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE
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SEARCH TIME: 00.00.01

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=> fil uspatf; d que nos l15; fil casreact; d stat que l19; fil hom
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HIGHEST GRANTED PATENT NUMBER: US6496983
HIGHEST APPLICATION PUBLICATION NUMBER: US2002188996
CA INDEXING IS CURRENT THROUGH 17 Dec 2002 (20021217/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 17 Dec 2002 (20021217/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2002
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2002

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>>>  publications, starting in 2001, for the inventions covered in     <<<
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substance identification.


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L4             STR
L9            37 SEA FILE=REGISTRY SUB=L3 SSS FUL L4 - product/formula (1)
L15            0 SEA FILE=USPATFULL ABB=ON  L9


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